



PSORIASIS

## **PALMOPLANTAR PUSTULOSIS AND ALLERGIES**

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**Background:** In 2007 the International Psoriasis Council considered Palmoplantar pustulosis (PPP) a separate condition from psoriasis and several authors retain that PPP is a reactive process to metal contact allergies independent from psoriasis.

**Objectives:** To evaluate the frequency of allergies and psoriasis in PPP-patients and to determine the role of allergens in PPP.

**Methods:** A systematic search of the English databases (PubMed and Web of Science) from January 1964 to August 2018 in order to identify all of the patients affected by PPP and allergies and/or psoriasis.

**Results:** In total, 16 publications describing a total of 519 PPP-patients were evaluated and 122 cases of concomitant PPP and metal allergy were found. The frequency of allergies among PPP-patients was 22.7%, between the identified allergens, 84.3% of cases correspond to metal allergies. In 65.1% of metal allergies an improvement of PPP was seen after withdrawal of contact. The concomitant presence of psoriasis was recorded in 18% of the cases.

**Conclusion:** There is some evidence to support the association of PPP to metal allergies but also as well to psoriasis, suggesting the role of metal allergens as a trigger factor in PPP patients.

